



ENFORCER Products, Inc.  
P.O. Box 1060  
Cartersville, GA 30120  
1-888-805-HELP

# Material Safety Data Sheet

## and Safe Handling and Disposal Information

### Section 1. Chemical Product and Company Identification

**Product name** Vinyl Window Cleaner

**Product Code** HDGVT-32

**Date of issue** 01/30/04 **Supersedes** 03/14/02

**Emergency Telephone Numbers**

**For MSDS Information:**  
Compliance Services (404) 352-1680

**For a Medical Emergency:**  
INFOTRAC  
(877) 541-2016 (Toll Free - Calls Recorded)

**For a Transportation Emergency:**  
CHEMTREC  
(800) 424-9300 (Toll Free - Calls Recorded)

**Printing Date:**

**Prepared by** Compliance Services Group  
Acuity Specialty Products Group  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

### Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	1-10	ACGIH TLV (United States). TWA: 200 ppm 8 hour(s). OSHA PEL (United States). TWA: 400 ppm 8 hour(s). ACGIH/OSHA (United States). STEL: 400 ppm 15 minute(s).

### Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Dermal contact. Eye contact. Inhalation.

**Skin** Hazardous in case of skin contact (irritant). May cause slight irritation in sensitive individuals. Prolonged or repeated contact may dry skin and cause irritation.

**Eyes** Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation** Harmful if inhaled. Avoid breathing vapors or spray mists. May cause respiratory tract irritation.

**Ingestion** DO NOT swallow. Can cause gastrointestinal disturbances.

#### HMIS

<b>Health</b>	<b>1</b>
<b>Fire Hazard</b>	<b>2</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**Carcinogenic** Not listed as carcinogen by OSHA, NTP or IARC.

#### Effects

**Chronic Effects** Slightly hazardous in case of eye contact (irritant), of inhalation.  
Over-exposure by inhalation may cause respiratory irritation.

See Toxicological Information (section 11)

### Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

**Skin Contact** In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.

**Inhalation** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

**Ingestion** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

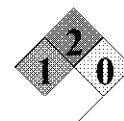
### Section 5. Fire Fighting Measures

**Flash Point** Closed cup: 42.22°C (108°F). **Flammable Limits** LOWER: 1% UPPER: 12%

**Flammability** Combustible liquid and vapor.

**Fire Hazard** Combustible. Keep away from heat, sparks and flame.

**Fire-Fighting Procedures** Use DRY chemicals, CO<sub>2</sub>, water spray or foam. Fire-fighters should wear proper protective equipment.



**Section 6. Accidental Release Measures**

**Spill Clean up** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Section 7. Handling and Storage**

**Handling** Avoid contact with eyes. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Keep away from heat, sparks and flame. Keep container closed.

**Storage** Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Avoid all possible sources of ignition (spark or flame). Do not reuse container. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection****Personal Protection****Protective Clothing (Pictograms)**

**Eyes** Safety glasses.

**Body** Gloves. Recommended: Rubber gloves.



**Respirator:** Use with adequate ventilation. Avoid breathing vapors or spray mists. A respirator is not needed under normal and intended conditions of product use.

**Section 9. Physical and Chemical Properties**

**Physical State** Liquid.

**Color** Blue.

**pH** 7.1 [Neutral.]

**Odor** Pleasant.

**Boiling Point** 96.111°C (205°F)

**Vapor Pressure** Not determined.

**Specific Gravity** 0.99 (Water = 1)

**Vapor Density** Not determined.

**Solubility** Easily soluble in cold water, hot water.

**Evaporation Rate** 1 compared to Water

**VOC (Consumer)** 79 (g/l).

**Section 10. Stability and Reactivity**

**Stability and Reactivity** The product is stable.

**Incompatibility** Reactive with oxidizing agents.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** These products are carbon oxides (CO, CO<sub>2</sub>).

**Section 11. Toxicological Information**

**Toxicity to Animals** **Isopropyl Alcohol:**

ORAL (LD50): Acute: 5045 mg/kg [Rat].

**Section 12. Ecological Information**

**Ecotoxicity** Not available.

**Biodegradable/OEI** Not available.

**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Stream** Code: D001

**Consult your local or regional authorities.**

**Section 14. Transport Information**

**Proper shipping name** None.

**DOT Classification** Not a DOT controlled material (United States).

**UN number** Not applicable.

**TDG Classification** Not a TDG controlled material.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

**State Regulations** California prop. 65: No products were found.

**WHMIS (Canada)** Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
Class D-2B: Material causing other toxic effects (TOXIC).

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*